

PTO/SB/81 (09-03)

Approved for use through 11/30/2005. OMB 0851-0035
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| POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM | Application Number | 10/763,883 |
| | Filing Date | January 23, 2004 |
| | First Named Inventor | Michael Hensel |
| | Title | Attenuated Salmonella SP12 Mutants as Antigen Carriers |
| | Art Unit | 1645 |
| | Examiner Name | Khatol Shahnian-Shah |
| Attorney Docket Number | | ICI 104 DIV |

I hereby appoint:

Practitioners associated with the Customer Number: 23579

OR

Practitioner(s) named below:

| Name | Registration Number |
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Telephone Fax

I am the:

Applicant/Inventor.

Assignee of record of a joint, undivided interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/88)

SIGNATURE of Applicant or Assignee of Record

Name SUSAN SEARLE, CHIEF EXECUTIVE OFFICER on behalf of Imperial College Innovations Limited

Signature [Signature] Telephone 020 75946591

Date 5/11/05

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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ICI 104 DIV - 078230/00036

PTO/SB/98 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Michael Hensel, David William Holden, and Jacqueline Elizabeth Shea

Application No./Patent No.: 10/763,883 Filed/Issue Date: January 23, 2004

Entitled: Attenuated Salmonells SP12 Mutants as Antigen Carriers

Imperial College Innovations Limited, a Corporation (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1. [x] the assignee of a joint, undivided interest; or
2. [] an assignee of less than the entire right, title and interest. The extent (by percentage) of its ownership interest is %

in the patent application/patent identified above by virtue of either:

A [] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.

OR

B [x] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

- 1. From: Michael Hensel To: Creatogen Aktiengesellschaft
2. From: Creatogen Aktiengesellschaft To: Microscience Limited and Imperial College Innovations Limited
3. From: David William Holden and Jacqueline Elizabeth Shea To: Microscience Limited and Imperial College Innovations Limited

[] Additional documents in the chain of title are listed on a supplemental sheet.

[] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature: SUSAN SEARLE Date: 5/1/05
Printed or Typed Name: CHIEF EXECUTIVE OFFICER Telephone Number: 820 75946591
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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ICI 104 DIV - 078230/00036

PTO/SB/61 (09-03)

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| POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM | Application Number | 10/763,883 |
| | Filing Date | January 23, 2004 |
| | First Named Inventor | Michael Hensel |
| | Title | Attenuated Salmonella SP12 Mutants as Antigen Carriers |
| | Art Unit | 1845 |
| | Examiner Name | Khatol Shahnan-Shah |
| Attorney Docket Number | ICI 104 DIV | |

I hereby appoint:

Practitioners associated with the Customer Number: 23579

OR

Practitioner(s) named below:

| Name | Registration Number |
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Firm or Individual Name

Address

Address

City State Zip

Country

Telephone Fax

I am the:

Applicant/Inventor.

Assignee of record of a joint, undivided interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

| | | | |
|-----------|---------------------------------|-----------|--------------|
| Name | William Rodenck Justin Richards | | |
| Signature | behalf of Microscience Limited | | |
| Date | 18/01/2005 | Telephone | 018 944 3300 |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

Total of _____ forms are submitted.

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ICI 104 DIV - 078230/0038

FTOSB/86 (09-04)

Approved for use through 07/31/2006. OMB 0831-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Michael Hensel, David William Holden, and Jacqueline Elizabeth Shea

Application No./Patent No.: 10/763,883 Filed/Issue Date: January 23, 2004

Entitled: Attenuated Salmonells SP12 Mutants as Antigen Carriers

Microscience Limited, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1. the assignee of a joint, undivided interest; or
- 2. an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

- 1. From: Michael Hensel To: Creatogen Aktiengesellschaft
The document was recorded in the United States Patent and Trademark Office at Reel 015331, Frame 0098, or for which a copy thereof is attached.
- 2. From: Creatogen Aktiengesellschaft To: Microscience Limited and Imperial College Innovations Limited
The document was recorded in the United States Patent and Trademark Office at Reel 015331, Frame 0118, or for which a copy thereof is attached.
- 3. From: David William Holden and Jacqueline Elizabeth Shea To: Microscience Limited and Imperial College Innovations Limited
The document was recorded in the United States Patent and Trademark Office at Reel 015050, Frame 0815, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

[Signature]
Signature

18/01/2005
Date

ROD RICHARDS
Printed or Typed Name

+44(0)118 944 3307
Telephone Number

CHIEF EXECUTIVE OFFICER
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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